

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: Not Yet Received (Filed Contemporaneously with Application)

Filing Date: November 24, 2003

Applicant: Gruenwald et al.

Entitled: HYBRID ELECTRIC VEHICLE

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.10
"Express Mail" Number: EL983327714US Date of Deposit: November 24, 2003

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as U.S. Express Mail in an envelope addressed to MAIL STOP PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Sheri L. Burke

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.97-1.98

The following is submitted in accordance with 37 CFR §§ 1.97-1.98 and the provisions of MPEP §§ 609 and 707.05 (b). The following list of art is already of record and fully discussed in the parent case, Serial No. 10/261,528, filed October 1, 2002, and therefore, copies are not attached.

The references and information are listed below and on attached form PTO-1449.

U.S. PATENTS

| Document Number | Name |
|-----------------|-----------------|
| 4,766,967 | Slicker et al. |
| 5,214,358 | Marshall |
| 5,323,868 | Kawashima |
| 5,789,882 | Ibaraki et al. |
| 5,806,617 | Yamaguchi |
| 5,898,282 | Drozdz et al. |
| 5,910,722 | Lyons et al. |
| 5,939,794 | Sakai et al. |
| 5,939,848 | Yano |
| 5,941,328 | Lyons et al. |
| 6,073,712 | Buglione |
| 6,098,733 | Ibaraki et al. |
| 6,116,368 | Lyons et al. |
| 6,124,690 | Yano et al. |
| 6,137,250 | Hirano et al. |
| 6,205,379 | Morisawa et al. |
| 6,209,672 B1 | Severinsky |
| 6,177,773 B1 | Nakano et al. |
| 6,232,744 B1 | Kawai et al. |
| 6,233,508 B1 | Deguchi et al. |
| 6,234,932 B1 | Kuroda et al. |
| 6,242,873 | Drozdz et al. |

FOREIGN PATENT DOCUMENTS

| COUNTRY | PATENT NO. | INVENTOR(S) |
|---------|------------|-------------|
| NONE | | |

OTHER DOCUMENTS

1. VITERNA, Larry A., HYBRID ELECTRIC TRANSMIT BUS, Automotive Engineering International, November 1998, pp. 127-129.
2. HAZARD, Greg, ELECTRIC RACECAR SERIES FOR USA STUDENTS, Racecar, Vol. 9, No. 4, May, 1999, pp. 35-38.
3. BREWSTER, Dennis et al., BGSU ELECTRIC FALCON, TOTALLY CHARGED, Spring, 1998, 4 pp.
4. BREWSTER, Dennis et al., BGSU ELECTRIC FALCON, TOTALLY CHARGED, Spring, 1999, 4 pp.
5. Hybrid Electric Vehicle Program, ENERGY SECURITY AND CLEAN AIR, <http://www.hev.doe.gov/general/ontheroad.html>, August, 1999, 6 pp.
6. Hybrid Electric Vehicle Program, BATTERIES, <http://www.hev.doe.gov/components/batteries.html>, August, 1999, 3 pp.
7. Hybrid Electric Vehicle Program, SERIES HYBRID VEHICLE, <http://www.hev.doe.gov/general/series.html>, August, 1999, 1 pp.
8. Hybrid Electric Vehicle Program, SERIES HYBRID VEHICLES, <http://www.hev.doe.gov/general/parallel.html>, August, 1999, 1 pp.
9. Hybrid Electric Vehicle Program, HYBRID ELECTRIC VEHICLE COMPONENT INFORMATION, <http://www.hev.doe.gov/components/component.html>, August, 1999, 2 pp.
10. Hybrid Electric Vehicle Program - Components, MOTOR/CONTROLLER, http://www.hev.doe.gov/components/motor_controller.html, August, 1999, 1 pp.

11. Hybrid Electric Vehicle Program - Components, ELECTRIC ENERGY STORAGE,
<http://www.hev.doe.gov/components/storage.html>, August, 1999, 2 pp.
12. Hybrid Electric Vehicle Program - Components, ULTRACAPACITORS,
<http://www.hev.doe.gov/components/ultra.html>, August, 1999, 1 pp.
13. Hybrid Electric Vehicle Program - Components, HYBRID POWER UNIT (HPU),
<http://www.hev.doe.gov/components/apu.html>, August, 1999, 1 pp.
14. Hybrid Electric Vehicle Program - Components, FUEL CELL,
<http://www.hev.doe.gov/components/fuelce.html>, August, 1999, 1 pp.
15. Hybrid Electric Vehicle Program - Components, FUELS,
<http://www.hev.doe.gov/components/fuel.html>, August, 1999, 2 pp.
16. Hybrid Electric Vehicle Program, HEV EMISSION CONTROL,
<http://www.hev.doe.gov/general/emission.html>, August, 1999, 1 pp.
17. Hybrid Electric Vehicle Program - Components, ENERGY MANAGEMENT AND
SYSTEM CONTROL, <http://www.hev.doe.gov/components/energman.html>,
August, 1999, 2 pp.
18. Hybrid Electric Vehicle Program - Components, THERMAL MANAGEMENT OF HEV
COMPONENTS, <http://www.hev.doe.gov/components/thermal.html>, August,
1999, 2 pp.
19. Hybrid Electric Vehicle Program - Components, REGENERATIVE BRAKING,
<http://www.hev.doe.gov/components/regen.html>, August, 1999, 1 pp.

20. Exploratorium Snack Home Page, STRIPPED DOWN MOTOR,

http://www.exploratorium.edu/snacks/stripped_down_motor.html, August, 1999,
4 pp.

The identification of any document herein is not intended to be, and should not be understood as being, an admission that each such document, in fact, constitutes "prior art" within the meaning of applicable law.

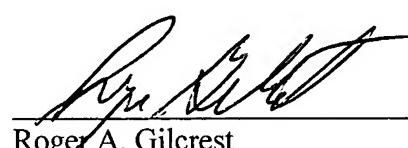
Applicants submit this statement in accordance with their duty of disclosure under 37 C.F.R. §1.56.

Applicants respectfully request that the documents cited herein be made of record in the normal manner and that such documents appear on the printed patent as being considered and made of record.

Respectfully submitted,

Date: November 24, 2003

By:



Roger A. Gilcrest
Registration No.: 31,954
495 Metro Place South, Suite 210
Dublin, Ohio 43017-5315
Telephone: (614) 792-5555
Facsimile: (614) 792-5536

**FORM PTO-1449 TO BE FILED WITH
INFORMATION DISCLOSURE STATEMENT**

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No. BOW1335-003C Serial No. Not Yet Rec'd

INFORMATION
DISCLOSURE STATEMENT
BY APPLICANTS

Gruenwald et al.

Applicant

11/24/2003

Filing Date

Group Art Unit

Examiner's name

U.S. PATENT DOCUMENTS

| Examiner's Initial | Document Number | Date | Name | Class/Sub-class |
|--------------------|-----------------|---------|-----------------|-----------------|
| | 4,766,967 | 08/1988 | Slicker et al. | 180/54.1 |
| | 5,214,358 | 05/1993 | Marshall | 318/139 |
| | 5,323,868 | 06/1994 | Kawashima | 180/65.4 |
| | 5,789,882 | 08/1998 | Ibaraki et al. | 318/139 |
| | 5,806,617 | 09/1998 | Yamaguchi | 180/65.2 |
| | 5,898,282 | 04/1999 | Drozdz et al. | 318/139 |
| | 5,910,722 | 06/1999 | Lyons et al. | 320/104 |
| | 5,939,794 | 08/1999 | Sakai et al. | 290/40 A |
| | 5,939,848 | 08/1999 | Yano | 318/139 |
| | 5,941,328 | 08/1999 | Lyons et al. | 180/65.1 |
| | 6,073,712 | 06/2000 | Buglione | 180/65.2 |
| | 6,098,733 | 08/2000 | Ibaraki et al. | 180/65.2 |
| | 6,116,368 | 09/2000 | Lyons et al. | 180/165 |
| | 6,124,690 | 09/2000 | Yano et al. | 318/376 |
| | 6,137,250 | 10/2000 | Hirano et al. | 318/376 |
| | 6,205,379 | 03/2001 | Morisawa et al. | 701/22 |
| | 6,209,672 B1 | 04/2001 | Severinsky | 180/65.2 |
| | 6,177,773 B1 | 01/2001 | Nakano et al. | 318/376 |
| | 6,232,744 B1 | 05/2001 | Kawai et al. | 320/132 |
| | 6,233,508 B1 | 05/2001 | Deguchi et al. | 701/22 |
| | 6,234,932 B1 | 05/2001 | Kuroda et al. | 477/3 |
| | 6,242,873 | 06/2001 | Drozdz et al. | 318/139 |

FOREIGN PATENT DOCUMENTS

| Examiner's Initial | Document Number | Date | Country/Name | Translation? yes/no |
|--------------------|-----------------|------|--------------|---------------------|
| | NONE | | | |

OTHER DOCUMENTS

1. VITERNA, Larry A., HYBRID ELECTRIC TRANSMIT BUS, Automotive Engineering International, November 1998, pp. 127-129.
2. HAZARD, Greg, ELECTRIC RACECAR SERIES FOR USA STUDENTS, Racecar, Vol. 9, No. 4, May, 1999, pp. 35-38.
3. BREWSTER, Dennis et al., BGSU ELECTRIC FALCON, TOTALLY CHARGED, Spring, 1998, 4 pp.
4. BREWSTER, Dennis et al., BGSU ELECTRIC FALCON, TOTALLY CHARGED, Spring, 1999, 4 pp.
5. Hybrid Electric Vehicle Program, ENERGY SECURITY AND CLEAN AIR, <http://www.hev.doe.gov/general/ontheroad.html>, August, 1999, 6 pp.
6. Hybrid Electric Vehicle Program, BATTERIES, <http://www.hev.doe.gov/components/batteries.html>, August, 1999, 3 pp.
7. Hybrid Electric Vehicle Program, SERIES HYBRID VEHICLE, <http://www.hev.doe.gov/general/series.html>, August, 1999, 1 pp.

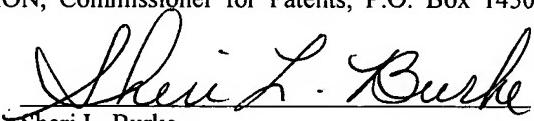
8. Hybrid Electric Vehicle Program, SERIES HYBRID VEHICLES,
<http://www.hev.doe.gov/general/parallel.html>, August, 1999, 1 pp.
9. Hybrid Electric Vehicle Program, HYBRID ELECTRIC VEHICLE COMPONENT INFORMATION, <http://www.hev.doe.gov/components/component.html>, August, 1999, 2 pp.
10. Hybrid Electric Vehicle Program - Components, MOTOR/CONTROLLER,
http://www.hev.doe.gov/components/motor_controller.html, August, 1999, 1 pp.
11. Hybrid Electric Vehicle Program - Components, ELECTRIC ENERGY STORAGE,
<http://www.hev.doe.gov/components/storage.html>, August, 1999, 2 pp.
12. Hybrid Electric Vehicle Program - Components, ULTRACAPACITORS,
<http://www.hev.doe.gov/components/ultra.html>, August, 1999, 1 pp.
13. Hybrid Electric Vehicle Program - Components, HYBRID POWER UNIT (HPU),
<http://www.hev.doe.gov/components/apu.html>, August, 1999, 1 pp.
14. Hybrid Electric Vehicle Program - Components, FUEL CELL,
<http://www.hev.doe.gov/components/fuelce.html>, August, 1999, 1 pp.
15. Hybrid Electric Vehicle Program - Components, FUELS,
<http://www.hev.doe.gov/components/fuel.html>, August, 1999, 2 pp.
16. Hybrid Electric Vehicle Program, HEV EMISSION CONTROL,
<http://www.hev.doe.gov/general/emission.html>, August, 1999, 1 pp.
17. Hybrid Electric Vehicle Program - Components, ENERGY MANAGEMENT AND SYSTEM CONTROL, <http://www.hev.doe.gov/components/energman.html>, August, 1999, 2 pp.

18. Hybrid Electric Vehicle Program - Components, THERMAL MANAGEMENT OF HEV COMPONENTS, <http://www.hev.doe.gov/components/thermal.html>, August, 1999, 2 pp.
19. Hybrid Electric Vehicle Program - Components, REGENERATIVE BRAKING, <http://www.hev.doe.gov/components/regen.html>, August, 1999, 1 pp.
20. Exploratorium Snack Home Page, STRIPPED DOWN MOTOR, http://www.exploratorium.edu/snacks/stripped_down_motor.html, August, 1999, 4 pp.

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

The identification of any document herein is not intended to be, and should not be understood as being, an admission that each such document, in fact, constitutes "prior art" within the meaning of applicable law since, for example, a given document may have a later effective date than at first seems apparent or the document may have an effective date which can be antedated. The "prior art" status of any document is a matter to be resolved during prosecution.

| | |
|--|------------------------------------|
| CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.10 | |
| "Express Mail" Number: EL983327714US | Date of Deposit: November 24, 2003 |
| I hereby certify that this correspondence is being deposited with the U.S. Postal Service as U.S. Express Mail in an envelope addressed to MAIL STOP PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. | |
|  Sheri L. Burke | |